DETAILED ACTION

1.   The amendment filed on 10/18/2011 has been entered. Claims 1, 6, and 8 have

been amended. Claims 1- 8 are pending.

Response to Arguments

2.   Applicant's arguments, see pages 5 - 9, filed 10/18/2011, with respect to claims

1, 6, and 8 have been fully considered and are persuasive. The rejection of claims 1, 6,

and 8 has been withdrawn.

Allowable Subject Matter

3.   Claims 1 - 8 are allowed.

4.   The following is an examiner's statement of reasons for allowance:

- Prior arts fail to disclose or suggest instructing the drive apparatus to write at

    least a part of the updated metadata to the location from which the metadata is

    read in the step (b) in the write-once disc, wherein the drive apparatus obtains a

    second next writable address and when the location from which the metadata is

    read is smaller than the second next writable address, records the updated

    metadata at a location indicated by the second next writable address, and (g)

    Updating a remapping table to include an entry which specifies a physical

    address corresponding to the location from which the metadata is read and a

    new physical address where the updated metadata is written.

- Claim 1, prior art fails to disclose or suggest a recording method for instructing a

    drive apparatus having a pseudo-overwrite function to write data on a write-once

    disc, the recording method comprising the steps of: (a) receiving a write request

which specifies at least data for a file to be written; (b) instructing the drive apparatus to read metadata for managing the file from a location in the write-once disc, so as to obtain the metadata; (c) querying a first next writable address indicating a location at which data is to be written next to the drive apparatus, so as to obtain the first next writable address; (d) updating the metadata to reflect the writing of the data specified by the write request; (e) instructing the drive apparatus to write the data specified by the write request to a location indicated by the first next writable address in the write-once disc; (f) instructing the drive apparatus to write at least a part of the updated metadata to the location from which the metadata is read in the step (b) in the write-once disc, wherein the drive apparatus obtains a second next writable address and when the location from which the metadata is read is smaller than the second next writable address, records the updated metadata at a location indicated by the second next writable address, and (g) Updating a remapping table to include an entry which specifies a physical address corresponding to the location from which the metadata is read and a new physical address where the updated metadata is written.

- Claim 6, prior art fails to disclose or suggest a system controller for instructing a drive apparatus having a pseudo-overwrite function to write data on a write-once disc, the system controller comprising a controller for controlling the drive apparatus, wherein the controller is configured to perform a process including the steps of: (a) receiving a write request which specifies at least data for a file to be

written; (b) instructing the drive apparatus to read metadata for managing the file

from a location in the write-once disc, so as to obtain the metadata; (c) querying

a first next writable address indicating a location at which data is to be written

next to the drive apparatus, so as to obtain the first next writable address; (d)

updating the metadata to reflect the writing of the data specified by the write

request; (e) instructing the drive apparatus to write the data specified by the write

request to a location indicated by the first next writable address in the write-once

disc; (f) instructing the drive apparatus to write at least a part of the updated

metadata to the location from which the metadata is read in the step (b) in the

write-once disc, wherein the drive apparatus obtains a second next writable

address and when the location from which the metadata is read is smaller than

the second next writable address, records the updated metadata at a location

indicated by the second next writable address, and (g) updating a remapping

table to include an entry which specifies a physical address corresponding to the

location from which the metadata is read and a new physical address where the

updated metadata is written.

- Claim 8, prior art fails to disclose or suggest a non-transitory machine readable

  medium having a program stored thereon for use in a system controller for

  instructing a drive apparatus having a pseudo-overwrite function to write data on

  a write-once disc, wherein the program is configured to perform a process

  including the steps of: (a) receiving a write request which specifies at least data

  for a file to be written; (b) instructing the drive apparatus to read metadata for

managing the file from a location in the write-once disc, so as to obtain the

metadata; (c) querying a first next writable address indicating a location at which

data is to be written next to the drive apparatus, so as to obtain the first next

writable address; (d) updating the metadata to reflect the writing of the data

specified by the write request; (e) instructing the drive apparatus to write the data

specified by the write request to a location indicated by the first next writable

address in the write-once disc; (f) instructing the drive apparatus to write at least

a part of the updated metadata to the location from which the metadata is read in

the step (b) in the write- once disc, wherein the drive apparatus obtains a second

next writable address and when the location from which the metadata is read is

smaller than the second next writable address, records the updated metadata at

a location indicated by the second next writable address, and

(g) updating a remapping table to include an entry which specifies a physical

address corresponding to the location from which the metadata is read and a

new physical address where the updated metadata is written.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to IFEDAYO ILUYOMADE whose telephone number is (571)270-7118. The examiner can normally be reached on Mon. - Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joseph Haley/
Primary Examiner, Art Unit 2627

/I. I./
Examiner, Art Unit 2627
12/02/2011